Index of Claims

| Applica | ation/Con | trol | No. |
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10/625,503

Examiner

Michael J. Araj

Applicant(s)/Patent under Reexamination

HUEBNER ET AL.

Art Unit

3733

Rejected Allowed

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| - | Interference |

| 4 | Appeal   |
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| 0 | Objected |

| Claim  |          |          |             |               |           |  |                | J        |            | Щ.   |          |   |                |     |          |  |           |          | J            |           | - |
|--|----------|----------|-------------|---------------|-----------|--|----------------|----------|------------|--|----------|---|----------------|-----|----------|--|-----------|----------|--------------|-----------|---|
| The control of the  | Cla      | aim      |             |               |           | 1  | Date           |          |            |  |          | i | Cla            | im  | _        |  | _         |          | Date         |           | - |
| 1  |          |          | $\vdash$    | <u> </u>      | Γ-        | Τ:   |                | <u> </u> |            |  |          |   | Oic            |     | -        |  | _         | Г        | T            | řΤ        | - |
| 1  | =        | 힐        | ဖွ          | 9             | 8         |  | ŀ              | Į        |            |  |          |   | - <del>-</del> | nal | ဗြ       | 8  | 9         | 1        | l            |           |   |
| 1  | <u>:</u> | įį       | 19/         | 20            | 721       | ł  |                |          |            |  |          |   | Ë              | iĝi | 19       | 8  | 127       | 1        | 1            |           |   |
| S2   V = 1   | "        | ō        | 9           | =             | 2         |  |                |          |            |  |          |   | т,             | ō   | 9        | =  | 12        | 1        |              |           |   |
| S2   V = 1   | -        | 1        | $\vdash$    | -             | ┝         | ⊢  | -              | -        | <u> </u>   |  | -        |   |                | 51  | 1        | ┢  | -         | ┼        | ├╌           | $\vdash$  | - |
| S3   V   S   S   V   S   S   V   S   S   S   |          |          | -           | -             | ŀ.        | ⊢  | ┢              | ┝        | _          | _  | -        |   |                | 52  |          | _  | $\vdash$  | ╁        | ┢            |           | _ |
| 1  |          | 3        | H           | +             | Н         | -  | ┝              | ┝        | _          | _  | -        |   |                | 53  |          | -  | H         | ┢        | ╁╾           | $\vdash$  | _ |
| S  | -        |          | Н           | Н             | Н         | ┢  | ┢              | H        | _          |  |          |   |                |     |          |  | H         | -        | ┢╌           | ╁─┼       | - |
| Section   Sect |          |          | ╫           | Н             | Н         | -  | ┢              | $\vdash$ | _          |  | $\vdash$ |   |                |     |          | _  | H         | ╁        | $\vdash$     | $\vdash$  | - |
| ST   ST   ST   ST   ST   ST   ST   ST  | -        | 6        | ╫           | Н             | Н         | $\vdash$   | -              | -        | -          | $\vdash$   | _        |   |                | 56  |          | F  | H         | ┢        | ╁            | $\vdash$  | - |
| S  |          | 7        | Н           | H             | ╁         | -  | $\vdash$       |          | $\vdash$   |  |          |   |                |     |          | H  | H         | <u> </u> | ╁            | $\vdash$  | - |
| 10   |          |          | Н           | Н             | H         | ┢  | ┝              |          | -          | -  | -        |   |                |     | H        | ╫  | ╁╁        | ┢        | ┼            | $\vdash$  | - |
| 10   | $\vdash$ | <u> </u> | ╫           | H             | +         | <del>                                     </del> | -              | _        | -          | <del>                                     </del> |          |   | _              | 59  | H        | H  | H         | -        | $\vdash$     | 1         | _ |
| 11   | <u> </u> |          | H           | Н             | $\vdash$  | -  | H              |          | $\vdash$   | $\vdash$   |          |   |                |     | 1        | ╠  | 늘         | $\vdash$ | 1            | $\vdash$  | - |
| 12   | <u> </u> |          | +           | ╁┼            | Н         | <del>                                     </del> | -              | -        | -          | -  | -        |   |                | 61  |          | Η  |           | -        | $\vdash$     | H         | - |
| 13   |          |          |             | Н             | Н         | ┢  | $\vdash$       | $\vdash$ | $\vdash$   | $\vdash$   |          |   |                |     | _        | =  | =         | H        | $\vdash$     | H         | - |
| 14   | -        |          | H           | ╁             | Н         | 1  |                |          | $\vdash$   | ┢  | -        |   |                |     | Ť        | Ξ  | ╘         |          | 1            |           | _ |
| 15   | $\vdash$ | 14       | ╫           | H             | Н         | ١.   |                | -        |            | -  |          |   |                |     | H        | -  | ⊢         | $\vdash$ | $\vdash$     | $\vdash$  | _ |
| 16   |          |          | H           | ╁             | H         | <del>                                     </del> |                |          | $\vdash$   | $\vdash$   | -        |   |                | 65  | +        | -  | -         |          | t            | $\Box$    | - |
| 17   | <b> </b> |          | H           | ╁             | H         | ╁  |                | $\vdash$ | $\vdash$   | -  | -        |   |                | 66  | $\vdash$ | <del>                                     </del> | ١.        | ┢        |              | H         | _ |
| 18 19 10 68 1 10 69 √ √ √ 70 N √ 71 √ √ √ 71 √  √ √ √ √ √ √ √ √ √ √ √ √ √ √ √  √ <   | $\vdash$ |          | H           | H             | H         | ╌  | $\vdash$       | ┢        | $\vdash$   | -  | _        |   |                | 67  | T        | ╫  | Н         | Т        | 1            | H         | _ |
| 19   |          |          | ${\sf H}^-$ | Ħ             | H         | <del>                                     </del> |                | Н        | -          | -  |          |   |                | 68  | H        | 廾  | H         | ✝        | <u> </u>     | $\vdash$  | _ |
|  |          |          | H           | H             | H         | 1  | $\vdash$       | $\vdash$ | _          | _  | _        |   |                | 69  | V        | Н  | H         | Т        | 1            |           | _ |
| 21   |          | 20       | $H^-$       | H             | $\vdash$  | 1  | 1              |          |            | _  | _        |   |                | 70  | N        | H  | H         | T        |              | П         | - |
| 22   |          |          | H           | H             | H         | $\vdash$   | !              | -        | -          | <u> </u>   |          |   |                |     |          | Н  |           | 1        |              | H         | _ |
| 23   |          | 22       | H           | H             | H         | 1  |                |          | -          |  |          |   | -              |     |          | -  | H         | $\vdash$ | 1            |           | - |
| 24   |          | 23       | H           | H             |           |  |                |          |            | $\vdash$   |          |   |                |     | N        | -  | П         | Г        |              | П         | _ |
| 25   |          | 24       | Н           | H             | 11        |  |                |          |            |  | _        |   |                |     |          | 1  | П         | T        | Ì            | П         | - |
| 26 76   27 77   28 77   30 80   31 81   32 82   33 83   34 84   35 85   36 86   37 88   39 90   41 90   42 1   43 94   44 94   45 95   47 97   48 97   48 98   49 99   |          | 25       | IT          | П             | П         |  |                |          |            |  |          |   |                |     |          | ,  | П         |          |              | П         | _ |
| 27   |          | 26       |             | П             | П         |  |                |          |            |  |          |   |                | 76  |          | П  | П         | Г        |              | П         | - |
| 28   |          | 27       | П           | П             | П         |  | Г              |          |            |  |          |   |                | 77  |          | П  | П         | Г        | Π            | П         |   |
| 1  | $\Box$   | 28       | П           | П             | П         |  |                |          |            |  |          |   |                | 78  |          | П  | П         |          |              | П         | ī |
| 31   |          | 29       | Π           | П             | П         |  |                |          |            |  |          |   |                |     |          |  | П         |          |              | $\square$ | Ī |
| 32   |          | 30       | П           | П             | П         |  |                |          |            |  |          | } |                | 80  |          | П  | П         |          |              |           | ĺ |
| 33   |          | 31       | П           | П             | П         | Π  |                |          |            |  |          |   |                | 81  |          | П  |           |          |              |           | Ĺ |
| 33   |          | 32       | $\coprod$   | $\Box \Gamma$ | $\prod$   |  |                |          | L          | L  |          |   |                | 82  |          | $\coprod$  | $\coprod$ | Ĺ        | 匚            |           | Ĺ |
| 34   |          | 33       | $\prod$     | П             | $\prod$   |  |                |          |            |  |          |   |                |     |          | $\prod$  | $\coprod$ |          |              |           | Ĺ |
| 36   |          | 34       | П           | П             | $\coprod$ |  |                |          |            |  |          |   |                |     |          | $\coprod$  | $\prod$   |          |              |           | Ĺ |
| 36   |          | 35       | Ш           | П             | Ш         | 匚  |                |          |            |  |          |   |                | 85  |          | Ш  | Ц         | $\Box$   |              |           | L |
| 38   |          | 36       | $\prod$     | П             | Ш         | $\Box$   |                | 匚        |            |  |          |   |                | 86  |          | Ш  | Ц         |          | L            |           | Ĺ |
| 39   |          |          | $\prod$     | П             | Ш         |  |                |          |            |  |          |   |                |     |          | Ц  | Ц         |          |              | Ш         | Ĺ |
| 40   |          | 38       | Ш           | $\coprod$     | Ш         |  | 匚              | <u> </u> |            |  |          |   |                | 88  |          | Щ  | Ц         |          | $\perp$      | Ш         | Ĺ |
| 41   |          |          | Ш           | 1             | 1         | <u> </u>   | oxdot          | L        | <u> </u>   | _  | L        |   |                |     | <u> </u> | Щ  | Ц         | _        | 1            | Ш         | L |
| 42   |          |          |             | -             | -         |  | ┕              | L        | L          |  | <u> </u> |   |                |     | _        | Ц  | Ц         | _        | 1_           | Ш         | L |
| 43   | <u></u>  |          | 1           | =             | =         | lacksquare                                       | <u> </u>       | L_       | <u> </u>   | <u> </u>   | L_       |   |                |     | _        | Ш  | Ц         | ļ.,      | <u> </u>     | Щ         | L |
| 44   | <u></u>  |          | Щ           | 1             | 1         | <u> </u>   | <u> </u>       | _        | <u> </u>   | <u></u>  | _        |   |                |     |          | Ц  | Ц         | _        | $\perp$      | Ш         | L |
| 45   | <u></u>  |          | Ш           | Ш             | Ш         | lacksquare                                       | oxdot          |          | _          | _  | <u> </u> |   |                | 93  | <u></u>  | Н  | Ц         | ┞-       | <del> </del> | Ш         | L |
| 46 V = 96 97 97 98 98 99 99  | <u></u>  |          | Ш           | Ш             | Щ.        | <u> </u>   | <u> </u>       | _        |            |  | <u> </u> | - |                |     | <u> </u> | <u>'</u>   | <u> </u>  | $\vdash$ |              | $\sqcup$  | Ļ |
| 47 N N 9 97 98 98 99 99  | <u></u>  |          |             | Ц             | 11        | ┞_   |                | _        |            | L_   | <u> </u> |   |                |     |          | 1  | -         | 1        | 厂            | Ш         | L |
| 48 V = 98 99 99  |          |          |             |               | Щ.        | <u> </u>   | <del> </del>   | <u> </u> | <u> </u>   | _  | <u> </u> |   |                |     | _        | _  | _         | 1        | ╀            | $\sqcup$  | Ļ |
| 49 1 = 99  | <u></u>  |          |             |               | Ш         | ↓_   | $\vdash$       | _        | _          |  | <u> </u> |   |                |     | -        | <u> </u>   | _         | _        |              | $\sqcup$  | Ł |
|  | <u></u>  |          | _           | ₩             | ╙         | -  | <del>  -</del> | <u> </u> | <b>!</b> _ | <u> </u>   | <b> </b> |   | <b> </b>       |     | ـــ      | <u> </u>   | <u> </u>  | +        | <del> </del> | $\sqcup$  | L |
|  | <u></u>  |          | -           | _             | ш         | <del>  _</del>                                   | <del>  -</del> | <b> </b> | <u> </u>   | <u> </u>   | <b> </b> |   | <u> </u>       |     | <u> </u> | <u> </u>   | _         | -        | +-           | $\vdash$  | Ł |
|  | L        | 50       | 1           | =             | =         | <u></u>  | <u></u>        | L        | L          |  | L        | J | L              | 100 | L_       | L  | L_        | L        | <u></u>      | Ш         | L |

| Cla      | im                                     | Date     |  |  |  |  |              |          |              |  |
|----------|--|----------|--|--|--|--|--------------|----------|--------------|--|
| -        |  |          | Γ.   | Γ.   |  |  |              |          |              |  |
| = '      | Original                               | 6/19/06  | 11/20/06   | 12/27/06   |  |  |              |          |              |  |
| Final    | igi                                    | 9        | 2  | 27   |  |  |              |          |              |  |
| "-       | ŏ                                      | ò        | =  | 12   |  |  |              |          |              |  |
|          |  |          | <u> </u>   | _  |  |  |              |          |              |  |
|          | 51                                     | 1        | =  | =  |  |  |              |          |              |  |
|          | 52                                     | 1        | =  | 1  |  |  |              |          |              |  |
|          | 51<br>52<br>53                         | 1        | =  | П  |  |  |              |          |              |  |
|          | 54                                     | N        | N  | T  |  |  |              |          |              |  |
|          | 54<br>55                               | N        | N =  | 1  | $\vdash$   | $\neg$   |              |          |              |  |
|          | 56                                     | ō        | $\vdash$   | H  | $\vdash$   | -  | -            | _        | $\neg$       | -  |
|          | 57                                     | 7        | H  | H  | -  |  | -            | _        |              |  |
| -        | 57<br>58                               |          | Н  | ╁┼   |  |  |              |          |              |  |
| <u> </u> | 20                                     | +        | Н-   | H  | _  |  |              | _        |              |  |
| <u> </u> | 59                                     |          | Щ.   | Ľ  | _  |  |              |          |              |  |
| <u> </u> | 60<br>61                               | 0        | ╠  | =  | _  |  |              |          |              |  |
| L        | 61                                     | 0        | <u>!</u>   | -  |  |  |              |          |              |  |
| L        | 62                                     | 1        | =  | =  |  |  |              |          |              |  |
|          | 63                                     | 6        | =  | =  | -  |  |              |          |              |  |
|          | 62<br>63<br>64<br>65<br>66             | П        | =  | =  | Г  |  |              |          |              |  |
|          | 65                                     | $\sqcap$ | -  | -  | Г  |  |              |          | П            |  |
|          | 66                                     | H        | <del>                                     </del> | ١.   | т  |  |              |          | Н            | _  |
|          | 67                                     | H        | <del>                                     </del> | ╁  | $\vdash$   | _  | _            |          |              | -  |
|          | 60                                     | H        | ╫  | ╁  | ├  | _  | _            |          |              | -  |
|          | 68<br>69                               |          | ₩  | Н  | H  | _  | _            |          |              | -  |
|          | 09                                     | 1        | ₩  | ₩  | _  |  |              |          |              |  |
|          | 70                                     | N        | 1  | Ц.   | _  |  |              |          |              |  |
|          | 71                                     | V        | Щ  | Щ  | L  |  |              |          |              |  |
|          | 72                                     | 1        | T  | Ш  | <u>L</u> .                                       |  |              |          |              | L  |
|          | 73                                     | N        | -  | Ш  |  |  |              |          |              |  |
|          | 71<br>72<br>73<br>74<br>75<br>76<br>77 |          | 1  | Ш  |  |  |              |          |              |  |
|          | 75                                     |          | ı  | Ш  | L  |  |              |          |              |  |
|          | 76                                     |          | Ш  | Ш  |  |  |              |          |              | L  |
| -        | 77                                     |          | П  | П  |  |  |              |          |              |  |
|          | 78                                     |          | П  | П  |  |  |              |          |              |  |
|          | 78<br>79                               |          | П  | П  |  |  |              |          |              |  |
|          | 80                                     |          | H  | H  |  |  |              |          |              |  |
|          | 81                                     | 1        | H  | H  | Н  | $\vdash$   |              |          |              | _  |
|          | 82                                     | $\vdash$ | Н  | ╁  |  | -  | _            | $\vdash$ | -            | -  |
| $\vdash$ | 82<br>83                               | -        | Н  | ╁  | $\vdash$   | $\vdash$   | $\vdash$     | $\vdash$ | $\vdash$     | $\vdash$   |
|          | 0.4                                    | -        | Н  | H  | $\vdash$   | $\vdash$   |              | -        | H            | $\vdash$   |
| -        | 84                                     | $\vdash$ | ⊬  | ₽  | ├-   |  | <u> </u>     | -        | <u> </u>     | ļ  |
| -        | 85                                     | <u> </u> | ₽  | ₽  | <u> </u>   | <u> </u>   | <u> </u>     | ļ        | <u> </u>     | <u> </u>   |
|          | 86                                     | _        | Ц  | Н  | _  | <u> </u>   | _            | _        | L            | <u> </u>   |
|          | 87<br>88                               | _        | Ц  | Ш  | <u> </u>   | $\Box$   | oxdot        |          | $oxed{oxed}$ | <u> </u>   |
|          | 88                                     |          | Ш  | $\perp \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \!$ |  | oxdot  | $oxed{oxed}$ | L        |              | L  |
|          | 89                                     |          | Ш  | Ш  |  |  |              |          |              |  |
|          | 90                                     |          | $\coprod$  | Ш  | L  |  |              |          |              |  |
|          | 91                                     |          | $\Box T$   | $\prod$  |  | L  | L            | L        |              |  |
|          | 92                                     |          | П  | П  |  |  |              | [        |              |  |
|          | 93                                     | Г        | П  | П  |  |  |              | <u> </u> |              |  |
|          | 94                                     |          | 1  | 1  |  |  |              |          | Г            |  |
|          | 95                                     | Г        | 1  | -  | Г  | Г  |              | Г        | Г            | Г  |
|          | 96                                     |          |  |  | $\vdash$   | Т  | Г            |          |              |  |
|          | 97                                     |          |  | $\vdash$   | $\vdash$   | $\vdash$   |              |          |              |  |
|          | 98                                     | _        | $\vdash$   | 1  | $\vdash$   |  | $\vdash$     | _        | <del> </del> | $\vdash$   |
| -        | 99                                     | $\vdash$ | $\vdash$   | +-   | +-   | <del>                                     </del> | -            | -        | $\vdash$     | <del>                                     </del> |
| <b>—</b> | 100                                    | ┢        | ⊢  | +  | <del>                                     </del> | $\vdash$   | -            | ⊢        | $\vdash$     | $\vdash$   |

| Cla   | aim               |                                     |              |  |  | Date     | ===          |            |        | $\neg$          |
|-------|-------------------|-------------------------------------|--------------|--|--|----------|--------------|------------|--------|-----------------|
|       |                   |                                     |              |  |  |          |              |            |        | $\Box$          |
| Final | Original          |                                     |              |  |  |          |              |            |        |                 |
|       | 101               |                                     |              |  |  |          |              |            | -      | $\overline{}$   |
|       | 102               |                                     |              |  |  | _        |              |            |        |                 |
|       | 102<br>103        |                                     |              |  |  |          |              |            |        | $\Box$          |
|       | 104               |                                     |              |  |  |          |              |            |        | $\Box$          |
|       | 104<br>105        |                                     |              |  |  |          |              |            |        |                 |
|       | 106               |                                     |              |  |  |          |              |            |        |                 |
|       | 107               |                                     |              |  |  |          |              |            |        |                 |
|       | 108               |                                     |              |  |  |          |              |            |        |                 |
|       | 109               |                                     | .            |  |  |          |              |            |        |                 |
|       | 110               |                                     |              |  |  |          |              |            |        |                 |
|       | 110<br>111        |                                     |              |  |  |          |              |            |        |                 |
|       | 112               |                                     |              |  |  |          |              |            |        |                 |
|       | 113               |                                     |              |  |  |          |              |            |        | Ш               |
|       | 113<br>114<br>115 |                                     | $oxed{oxed}$ |  | L.   | <u></u>  |              |            |        | Ш               |
|       | 115               | L.,                                 | L.,          | L  | $oxed{oxed}$                                     |          |              |            |        | Ш               |
|       | 116               | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | L_           |  | _  |          | L_           |            |        | Ш               |
|       | 117               | L_                                  | L            | <u> </u>   | <u> </u>   | Ш        | ļ            |            | Ш      | Щ               |
|       | 118               |                                     |              | _  | _  | <u> </u> |              |            | Ш      | Щ               |
|       | 119               |                                     |              |  | <u> </u>   |          |              |            |        | Ш               |
|       | 120               |                                     |              | <u> </u>   |  |          |              |            |        | Ш               |
|       | 121<br>122<br>123 |                                     |              | L_   | <u> </u>   |          |              |            |        | Ш               |
|       | 122               |                                     | _            |  |  |          |              |            |        | _               |
|       | 123               |                                     |              |  | _  |          |              | _          |        | Щ               |
|       | 124<br>125        | $\vdash$                            |              |  | <u> </u>   |          |              | <u> </u>   |        | Н               |
|       | 125               | -                                   |              |  | -  | -        |              | _          | -      | Н               |
|       | 126               | -                                   | -            | ├  |  | _        |              | _          |        | Н               |
|       | 127<br>128        | _                                   |              | -  | -  | _        |              |            | _      | $\vdash$        |
|       | 120               | -                                   | -            | -  | -  |          |              | -          | _      | -               |
|       | 129<br>130        | -                                   |              | $\vdash$   | -  |          | $\vdash$     | -          | _      | $\vdash$        |
|       | 131               | -                                   | -            | $\vdash$   | $\vdash$   |          | H            | $\vdash$   | ·      | Н               |
|       | 132               | $\vdash$                            | <del> </del> | -  | <del>                                     </del> | -        |              | Н          |        | Н               |
|       | 132<br>133        | $\vdash$                            | $\vdash$     |  | $\vdash$   | -        | $\vdash$     | $\vdash$   | -      | $\vdash \vdash$ |
|       | 134               | $\vdash$                            | $\vdash$     | $\vdash$   | -  | $\vdash$ | $\vdash$     | _          | -      | H               |
|       | 135               | -                                   | $\vdash$     | <del>                                     </del> |  | $\vdash$ | <del> </del> | Н          | Н      | H               |
|       | 136               | $\vdash$                            | ┢            | $\vdash$   |  |          |              |            | П      | H               |
|       | 137               | $\vdash$                            | Т            | $\vdash$   |  |          |              | П          | П      | $\sqcap$        |
|       | 138               |                                     |              |  | Γ  |          | F            |            | П      |                 |
|       | 139               |                                     |              | <u> </u>   |  |          | Γ            | Г          | $\Box$ | $\sqcap$        |
|       | 140               |                                     |              |  |  |          |              |            |        |                 |
|       | 141               |                                     |              |  |  |          |              |            |        |                 |
|       | 142               |                                     |              |  |  |          |              |            |        |                 |
|       | 143               |                                     |              |  |  |          |              |            |        |                 |
|       | 144               |                                     |              |  |  |          |              |            |        |                 |
|       | 145               |                                     |              |  |  |          |              |            |        |                 |
|       | 146               |                                     |              |  |  |          | Ĺ            |            |        |                 |
|       | 147               |                                     |              |  |  |          | 匚            |            |        |                 |
|       | 148               |                                     |              |  |  | <u> </u> | L            |            |        |                 |
|       | 149               |                                     |              |  | Ĺ  |          | L.           |            | L.     |                 |
| L     | 150               |                                     |              | L  | l  | L        | <u></u>      | <u>L</u> . | L      |                 |
|       |                   |                                     |              |  |  |          |              |            |        |                 |